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ERRATA

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86M/0212 *for* $Ta_2Ta_4O_{11}$ *read* $Na_2Ta_4O_{11}$
86M/0485 *insert* Zapiski *as first word in journal name*
86M/1323 *for* H. W. Wilson *read* H. E. Wilson
86M/2688 *for* A. Wikstrøm *read* A. Wikström
86M/2801 *for* R. A. Schoonveldt *read* R. A. Schoonheydt
86M/2801 *for* P. Hendrich *read* P. Hendrickx
86M/2802 *for* C. J. Clarke *read* C. J. Clark
86M/3917 *for* Stevelot *read* Stavelot
86M/4278 *for* $O_{29}O_{72}$ *read* $Si_{27}O_{72}$
86M/4931 *for* P. Argenit *read* P. Argentl

ORGANIZATION OF ABSTRACTS

Arising from a decision taken at the meeting of the INTERNATIONAL MINERALOGICAL ASSOCIATION in Copenhagen in 1961 the Mineralogical Societies of America and Great Britain agreed to issue a joint statement to National Societies adhering to the Association inviting each Society to organize contributions of abstracts of papers published in the journals of its country on subjects relevant to *Mineralogical Abstracts*. This invitation was issued and has brought a gratifying response. Members of Societies which have agreed to co-operate in this way are entitled to receive *Mineralogical Abstracts* for their personal use at a reduced rate of subscription on application, *which must be made through their National Society*. The countries now co-operating include: AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CZECHOSLOVAKIA, DENMARK, FINLAND, FRANCE, GERMANY, INDIA, ISRAEL, ITALY, JAPAN, NETHERLANDS, NEW ZEALAND, NORWAY, PAKISTAN, PORTUGAL, SOUTH AFRICA, SPAIN, SWEDEN, SWITZERLAND.

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ABBREVIATIONS AND SYMBOLS

used in the text of abstracts

M.M. . . Mineralogical Magazine : M.A. . . Mineralogical Abstracts : A.M. . . American Mineralogist

CHEMICAL & PHYSICAL CHEMICAL

atomic absorption spectrophotometry	AAS
cation-exchange capacity	c.e.c.
concentrated	conc.
differential thermal analysis	DTA
dilute	dil.
disintegrations per minute	d.p.m.
equivalent U_3O_8	eU_3O_8
ethylenediamintetra-acetic acid	EDTA
fugacity	*f*
gas chromatography	GC
heat of formation (absolute temperature subscript)	ΔHf
hydrogen ion conc. acidity	pH
insoluble residue	insol. res.
isotopes, e.g.	^{40}Ar, ^{40}K
large ion lithophile	LIL
loss on ignition	ign. loss
mid-ocean ridge basalt	MORB
milliequivalent	me.
mass spectrometry	MS
microgramme	μg
million-years	m.y.
neutron activation analysis	NAA
not determined	n.d.
not found	nt. fd.
not present	nil
nuclear magnetic resonance	NMR
parts per billion	ppb
parts per million	ppm
rare earths	*REE*
standard mean ocean water	SMOW
strength of solution, normal	*N*
——molar	*M*
substances in ionic state	
anions, e.g.	Cl^-, SO_4^{2-}
cations, e.g.	K^+, Fe^{3+}
thermogravimetric analysis	TGA
trace	tr.
X-ray powder diffraction	XRD
X-ray fluorescence analysis	XRF

CRYSTALLOGRAPHIC & STRUCTURAL

Ångstrom unit (10^{-8} cm)	Å
crystal axes	*a*, *b*, *c*
—face indices	(hkl)
—form indices	{hkl}
—zone indices	[hkl]
indices of X-ray diffractions	hkl
intensity	*I*
—relative	I/I_0
interplanar spacing	*d*
mica structural polymorphs	1 M_1, 2 M
Siegbahn units	kX
unit cell, formula units	*Z*
——repeat distances	*a*, *b*, *c*
——reciprocal lattice lengths of edges	a^*, b^*, c^*
——interaxial angles direct lattice	α, β, γ
——reciprocal lattice	α^*, β^*, γ^*

OPTICAL

dispersion, e.g.	$r > v$
transmission electron microscopy	TEM
extinction angle, e.g.	$\gamma:c$
infrared	IR
optic axial angle	2V
——plane	O.A.P.
refractive index in text	refr. ind.
——of isotropic mineral	*n*
refractive indices	
of uniaxial mineral	ω, ϵ
of biaxial mineral	α, β, γ
scanning electron microscopy	SEM
sign of biaxiality	
negative	$2V_\alpha$ or −
positive	$2V_\gamma$ or +
ultraviolet	UV

PHYSICAL

calculated	calc.
cycles per second	c/s
degree centigrade	°C
density	*D* (quote units)
—, relative, e.g.	D_4^{20}
electron paramagnetic resonance	e.p.r.
hardness	H.
kilobar (0·1 GPa)	kbar
melting-point	m.p.
micron (10^{-3} mm)	μm
nanometre (10^{-6} mm)	nm
natural remanent magnetization	n.r.m.
pressure	*P*
soluble	sol.
specific gravity, terms of reference not known	sp. gr.
temperature	*T*
thermoluminescence	TL
Vickers hardness number	VHN
wavelength	λ

SYMBOLS

approximately equal to	~
equal to	=
equal to or greater than	$\geqslant$
equal to or less than	$\leqslant$
greater than	>
less than	<
not equal to	$\neq$
parallel to	$\parallel$
per cent	%
per mille	‰
perpendicular to	$\perp$
proportional to	$\propto$

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